

**ABSTRACT OF THE DISCLOSURE**

A chemical storage and dispensing vessel having associated therewith a colorimetric member that is effective to change color in exposure to leakage of a gas contained in the vessel. The colorimetric member may be constituted by a film, e.g., of a shrink-wrap character, that contains or is otherwise associated with a colorimetric agent undergoing color change in exposure to fluid leaking from the vessel. Such shrink-wrap film may be applied to a portion of the vessel susceptible to leakage, or alternatively to the entire vessel, so that the film is colorimetrically effective to indicate the occurrence of a leakage event by visually perceptible change of color.